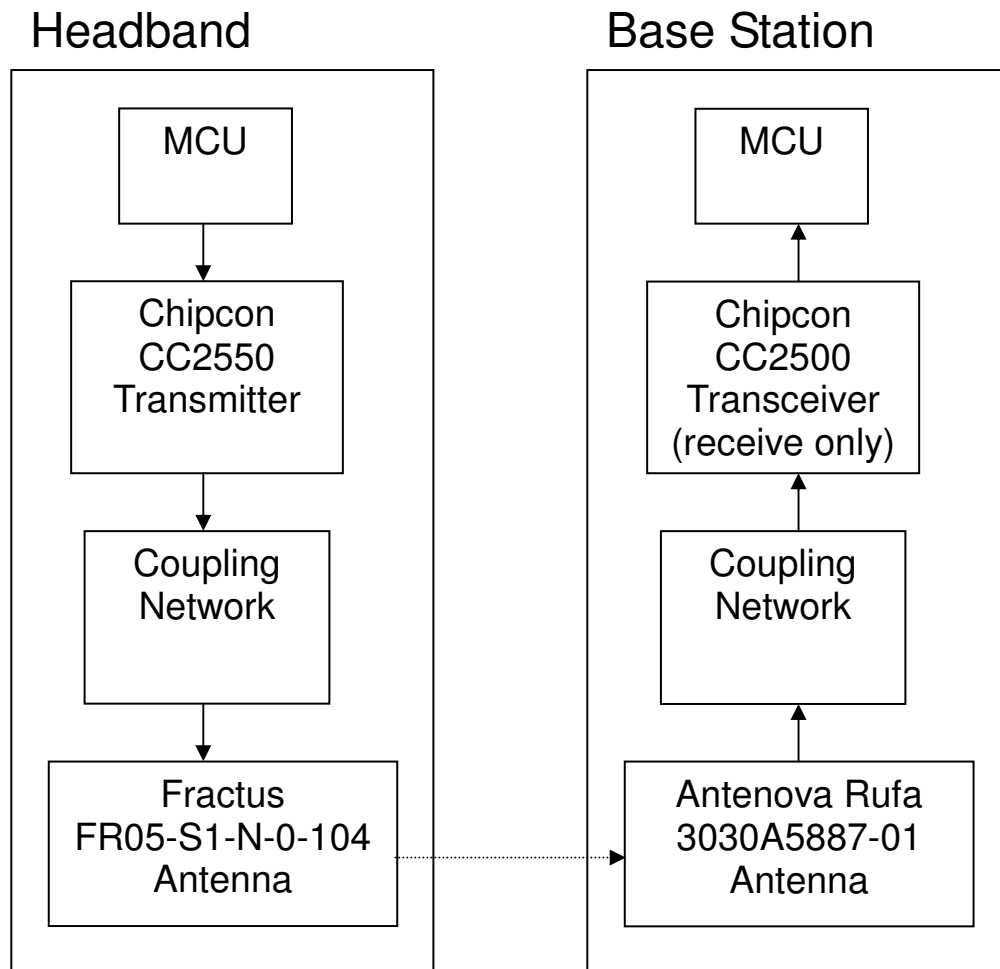


Block Diagram



Operation Overview

The system is unidirectional, with the headband transmitting and the base station receiving. Output power is +1dBm. Modulation is MSK at 250kbps rate. Packets are sent at a rate of 24 per second with a duration of 2.56ms per packet, evenly spaced in time. Frequency hopping is used, with a set of 63 channels. The lowest channel is centered at 2,403,375,000Hz and the highest channel is centered at 2,478,994,629Hz. The frequency hopping pattern repeats every 21 seconds, with each of the 63 channels used for an equal amount of time.